



[illegible]

REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrate; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
AUTHORS	Suzuki,Y., Tsunoda,T., Taira,H., Mizushima-Sugano,J., Sese,J., Hatake,H., Ota,T., Isogai,T., Tanaka,T., Nakamura,Y., Morishita,S., Okubo,K., Suyama,A. and Sugano,S. Fine Structural analysis of transcription start sites of human mRNAs using full-length enriched and 5'-end enriched cDNA libraries unpublished (2001)
JOURNAL	Contact: Yutaka Suzuki Department of Medical Science, University of Tokyo Institute of Medical Science, Minato-ku, Tokyo 108-8639, Japan 4-6-1, Shirokane-dai, Minato-ku, Tokyo 108-8639, Japan
TITLE	Email: yusuzuki@ims.u-tokyo.ac.jp Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
FEATURES	location/Qualifiers 1..50 /organism="Homo sapiens" /db_xref="taxon:9606" /clone="LINC08445" /clone_lib="Sugano Homo sapiens cDNA Library"
BASE COUNT	18 a                9 c                16 g                7 t
ORIGIN	
Query Match	52.0%; Score 13; DB 10; Length 50;
Best Local Similarity	76.2%; Pred. No. 7.3e+04;
Matches	16; Conservative     0; Mismatches     5; Indels         0; Gaps         0;
Ox	5 ctgcgcccaatcatattc 25                       Db   43 CTGGGCCCATTAACACGCTC 23
RESULT	4
LOCUS	w71856                   52 bp                   mRNA                   EST                   18-JUN-1996
DEFINITION	me45f07.tl Soares mouse embryo NbMEJ.3.5.14.5 Mus musculus cDNA clone IMAGE:390469 5' similar to SW:NMU BOVIN PA2029
ACCESSION	NMDH-BIQUINONE OXIDOREDUCTASE 19 KD SUBUNIT ; mRNA sequence.
VERSION	w71856
KEYWORDS	w71856.1 GI:1381943
SOURCE	EST.
ORGANISM	house mouse. Mus musculus
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrate; Euteleostomi; Mammalia; Eutheria; Rodentia; Scurognathi; Muridae; Murineae; Mus. 1 (bases 1 to 52) Marrin,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theisinger,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and Waterston,R. The WashU-HMI Mouse EST Project Unpublished (1996) Contact: Maria M/Mouse Est Project WashU-HMI Mouse Est Project Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810 Email: mouseest@wustl.edu This clone is available royalty-free through LIND; contact the IMAGE Consortium (info@image.llnl.gov) for further information. NCI:242301
JOURNAL	Trace considered overall poor quality
COMMENT	Possible reversed clone: similarity on wrong strand Seq primer: mob.REGA+ET High quality sequence stop: 1. Location/Qualifiers 1..52
FEATURES	
SOURCE	1..52

```

/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone_image="390469"
/clone_lib="Soares mouse embryo NbME13.5 14.5"
/sex="unknown"
/tissue_type="embryo"
/dev_stage="13-5-14.5dpc total fetus"
/lab_host="DH10B"
/notes="Vector: pT73D-Pac (Pharmacia) with a modified
polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA
was primed with a Not I - oligo(dT) primer [5',
GGTACCAATCGAGAGCGAGCGCGGCGGAAATTTTGTGTGTGTGTGT
T 3'], on equal amounts of mRNA from 2 13.5dpc and 2
14.5dpc embryos [total RNA provided by Minoru Ko, Wayne
State Univ., from 2 1]; double-stranded cDNA was ligated to
Eco RI adaptors (Pharmacia), digested with Not I and
cloned into the Not I and Eco RI sites of the modified
pT73 vector. Library went through one round of
normalization, and was constructed by Bento Soares and
M. Fatima Bonaldo."
BASE COUNT      14 a      15 c      15 g      8 t
ORIGIN

Query Match      52.0%; Score 13; DB 11; Length 52;
Best Local Similarity 76.2%; Pred. No. 7.3e+04;
Matches 16; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      1 acagctcgcccatcaatcat 21
        ||||| 1 ||||| 1 |||
Db      23 ACAGCTGACGCCCATCATCAT 43

RESULT 5
LOCUS   BF643572      52 bp      mRNA      EST      20-DEC-2000
DEFINITION   NF057E06ECP1051 Elicited cell culture Medicago truncatula cDNA
ACCESSION   BF643572
VERSION     BF643572.1 GI:11908793
KEYWORDS    EST.
SOURCE      barrel medic.
ORGANISM    Medicago truncatula
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eustosids I; Fabales; Fabaceae; Papilionoideae; Trifolieae;
Medicago.
1 (bases 1 to 52)
Torres-Jerez, I., Scott, A.D., Harris, A.R., Gonzales, R.A., Bell, C.J.,
Flores, H.R., Inman, J.T., Weller, J.W. and May, G.D.
Expressed Sequence Tags from the Samuel Roberts Noble Foundation -
Center for Medicago Genomics Research
Unpublished (2000)
Contact: Dixon RA
Plant Biology Division
The Samuel Roberts Noble Foundation
2510 Sam Noble Parkway, Ardmore, OK 73402, USA
Tel: 580 221 7302
Fax: 580 221 7380
Email: radixon@noble.org
Insert Length: 52 Std Error: 0.00
Plate: 057 row: E column: 06
Seq primer: TCACACAGGAAACAGCTATGAC.
Location/Qualifiers
1..52
/organism="Medicago truncatula"
/db_xref="taxon:3880"
/clone="NF057E06EC"
/clone_lib="Elicited cell culture"
/tissue_type="Cell cultures derived from root tissues"
/dev_stage="Cell suspensions were subcultured every 14
days. Cells were induced six days after subculture"

```

```

/notes="Vector: Lambda Zap; Cells were induced with yeast
cell wall extracts equivalent to 50ug/ml glucose in the
final concentration. Samples were taken at 0.5, 1, 12 and
24 hours after induction. Equal amounts of RNA from each
time point were pooled and used for mRNA isolation."
BASE COUNT      9 a      16 c      3 g      24 t
ORIGIN

Query Match      52.0%; Score 13; DB 11; Length 52;
Best Local Similarity 76.2%; Pred. No. 7.3e+04;
Matches 16; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      5 ctgcgcccatcaatcatc 25
        ||| 1 ||| 1 ||||| 11
Db      31 CTCCTCTCATCACTATATC 51

RESULT 6
LOCUS   TA235H01P      52 bp      DNA      GSS      13-DEC-2000
DEFINITION   T. brucei sheared genomic DNA clone 235h01, forward sequence,
genomic survey sequence.
ACCESSION   AL481430
VERSION     AL481430.1 GI:11847124
KEYWORDS    GSS.
SOURCE      Trypanosoma brucei.
ORGANISM    Trypanosoma brucei
Eukaryota; Euzoenzoa; Kinetoplastida; Trypanosomatidae;
Trypanosoma.
1 (bases 1 to 52)
Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R.,
Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
McVillie, S.E., Rajandream, M.A. and Barrell, B.G.
Direct Submission
Submitted (10-DEC-2000) Trypanosoma brucei genome sequencing
project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 1SA. E-mail: barrell@sanger.ac.uk and
nh@sanger.ac.uk
Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in SmITH, H. and Venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects. In
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available
at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers
1..52
/organism="Trypanosoma brucei"
/strain="TREU927"
/db_xref="taxon:5691"
/clone="235h01"
BASE COUNT      17 a      16 c      9 g      10 t
ORIGIN

Query Match      52.0%; Score 13; DB 13; Length 52;
Best Local Similarity 76.2%; Pred. No. 7.3e+04;
Matches 16; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY      5 ctgcgcccatcaatcatc 25
        ||||| 1 ||||| 11
Db      19 CACGCCATCTTATACATATC 39

RESULT 7
LOCUS   AT723111      49 bp      mRNA      EST      07-JUN-2001

```

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DEFINITION fc25g02.y1 zebrafish wasnu mpimg EST Danio rerio cDNA clone
IMAGE:3722450 5' similar to SW:HIRA_FUGRU 042611 HIRA PROTEIN ;
ACCESSION A1723111
VERSION A1723111.1 GI:5041440
KEYWORDS EST.
SOURCE zebrafish.
ORGANISM Danio rerio
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Ostariophysi;
Cypriniformes; Cyprinidae; Rasbora; Danio.
REFERENCE 1 (bases 1 to 49)
AUTHORS Clark,M., Johnson,S.L., Lehnach,H., Lee,R., Li,F., Marra,M., Eddy
,S., Hillier,L., Kucaba,T., Martin,J., Beck,C., Wylie,T., Underwood
,K., Steptoe,M., Theising,B., Allen,M., Bowers,Y., Person,B.,
Walker,T., Gibbons,M., Pape,D., Harvey,N., Schurk,R., Ritter,E.,
Kohn,S., Shih,T., Jackson,Y., Cardenas,M., McCann,R., Waterston,R.
and Wilson,R.
Washu zebrafish EST Project 1998
Unpublished (1998)
Other-ESTs: fc25g02.x1
Contact: Stephen L. Johnson
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
Tel: 314 286 1800
Fax: 314 286 1810
Email: zbrafish@wustl.edu
CDNA Library Preparation: Matthew Clark, CDNA Library Arrayed by:
Matthew Clark. DNA Sequencing by: Washington University Genome
Sequencing Center Clone distribution: Genome Systems, St. Louis,
Missouri (web address: www.genomesystems.com) (email contact:
info@genomesystems.com) and Research Genetics, Huntsville, Alabama
(web address: www.resgen.com) (email contact: info@resgen.com) and
ResourcenZentrumPrimateBank, Berlin, Germany (web address:
www.rzpd.de)
Trace considered overall poor quality
Seq primer: T3 RT from Amersham
High quality sequence stop: 1.
FEATURES
SOURCE
1. 49
/organism="Danio rerio"
/db_xref="taxon:7955"
/clone_image="3722450"
/clone_lib="Zebrafish Washu MPIMG EST"
/sex="mixed"
/tissue_type="26 somite embryos, adult livers, shield
stage embryos"
/lab_host="X1-blue MRF"
/note="Vector: pSPORT1; Site 1: NotI; Site 2: SalI; 1st
strand cDNA was primed with a Not I - oligo(dT)15 primer
(5'GACTAGTCTAGACGCGAGCGCCGCTTTTCTTTTCTTTT3');
double-stranded cDNA was ligated to Sal I adaptors (BRL),
digested with Not I and cloned into the Not I and Sal I
sites of the pSPORT1 vector (BRL). Library was constructed
by Matthew Clark (Lehnach lab; ICGF, London and Max Planck
Institut fuer Molekulare Genetik Berlin). cDNAs for EST
hybridization were selected following oligonucleotide
zebrafish late somitogenesis (26 ss), adult liver or
embryonic shield stage (5.6 h) libraries. Fingerprint
data were used to computationally cluster cDNAs, and a
single cDNA from each cluster was chosen for sequencing.
In some cases multiple members of the same cluster were
sequenced to assess clustering parameters or single clones
control."
BASE COUNT
15 a 14 c 5 g 15 t
ORIGIN
Query Match 51.2%; Score 12.8; DB 10; Length 49;
Best Local Similarity 70.8%; Pred. No. 8.9e+04;

Matches 17; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
Db 1 ACAAGTCCACACACAAATCTTTT 24
RESULT 8
LOCUS AUI07456 50 bp mRNA EST 05-APR-2001
DEFINITION AUI07456 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
HS100655, mRNA sequence.
ACCESSION AUI07456
VERSION AUI07456.1 GI:13556977
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 50)
AUTHORS Suzuki,Y., Tsunoda,T., Taira,H., Mizushima-Sugano,J., Sese,J., Hata
,H., Ota,T., Isogai,T., Tanaka,T., Nakamura,Y., Morishita,S., Okubo
,K., Suyama,A. and Sugano,S.
Fine Structural analysis of transcription start sites of human
mRNAs using full-length enriched and 5'-end enriched cDNA libraries
Unpublished (2001)
Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Sugano
,S. Construction and characterization of a full length-enriched and
a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
FEATURES
SOURCE
1. 50
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_image="HS100655"
/clone_lib="Sugano Homo sapiens cDNA library"
BASE COUNT
12 a 14 c 14 g 10 t
ORIGIN
Query Match 51.2%; Score 12.8; DB 10; Length 50;
Best Local Similarity 70.8%; Pred. No. 8.9e+04;
Matches 17; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
Db 1 ACAAGTCCACACACAAATCTTTT 24
RESULT 9
LOCUS AA190304 52 bp mRNA EST 17-FEB-1997
DEFINITION AA190304.1 Soares mouse 3BMS Mus musculus cDNA clone IMAGE:637585
5' similar to SW:CATD_CHICK Q05744 CATHEPSIN D PRECURSOR, mRNA
sequence.
ACCESSION AA190304
VERSION AA190304.1 GI:1778984
KEYWORDS EST.
SOURCE house mouse.
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE 1 (bases 1 to 52)
AUTHORS Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
Geisler,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
Waterston,R.
The Washu-HIMI Mouse EST Project

```

JOURNAL  
COMMENT

Unpublished (1996)  
Contact: Maria M/Mouse EST Project  
WashU-HMI Mouse EST Project  
Washington University School of Medicine  
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
Email: mouseest@wustl.edu  
This clone is available royalty-free through LNL; contact the  
IMAGE Consortium (info@image.llnl.gov) for further information.  
MGI:389577

## FEATURES

Trace considered overall poor quality  
Possible reversed clone: similarity on wrong strand  
Seq primer: -28M13 rev2 from Amersham  
High quality sequence stop: 1.  
Location/Qualifiers

1. 52  
/organism="Mus musculus"  
/strain="C57BL/6J"  
/db.xref="taxon:10090"  
/clone="IMAGE:637585"  
/clone\_id="Soares mouse 3nbms"  
/sex="male"  
/tissue\_type="Spleen"  
/dev\_stage="4 weeks"  
/lab\_host="DH10B"  
/note="Vector: pT7T3D-Pac (Pharmacia) with a modified  
polylinker; Site\_1: Not I; Site\_2: Eco RI; 1st strand cDNA  
was primed with a Not I - oligo(dT) primer [5',  
TGTACCAATCTGACAGTGGAGCGCGCCGCTGTGTGTGTGTGTGT  
3']; double-stranded cDNA was ligated to Eco RI adaptors  
(Pharmacia), digested with Not I and cloned into the Not I  
and Eco RI sites of the modified pT7T3 vector. RNA  
provided by Dr. Bertrand Jordan. Library went through  
three rounds of normalization, and was constructed by  
Bento Soares and M.Fatima Bonaldo."

BASE COUNT  
ORIGIN

10 a 10 c 22 g 10 t

## Query Match

51.2%; Score 12.8; DB 10; Length 52;

Best Local Similarity 87.5%; Pred. No. 9e+04; 2; Indels 0; Gaps 0;

Matches 14; Conservative 0; Mismatches 2;

OY 2 cagctgcgcccatat 17

DB 31 CAGCTCTCCCATCA 16

## RESULT 10

AZ662142/c

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

AZ662142 30 bp DNA GSS 14-DEC-2000  
1M0541M03F Mouse 10kb plasmid UGCG1M library Mus musculus genomic  
clone UGCG1M0541M03 F, DNA sequence.  
AZ662142  
AZ662142.1 GI:11799288  
GSS.  
house mouse.  
Mus musculus  
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
1 (bases 1 to 30)  
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamll,C.,  
Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,  
M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.  
and Wright,D., Weiss,R.  
Mouse whole genome scaffolding with paired end reads from 10kb  
plasmid inserts  
Unpublished (2000)  
Contact: Robert B. Weiss  
University of Utah Genome Center  
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLG, UT

84112, USA  
Tel: 801 585 5606  
Fax: 801 585 7177

Email: ddunn@genetics.utah.edu  
Insert Length: 10000 Std Error: 0.00  
Plate: 0541 row: M column: 03  
Seq primer: CGTGTGAACGACGCGCAGT  
Class: plasmid ends  
High quality sequence stop: 30.

## FEATURES

source

1. 30

/organism="Mus musculus"  
/strain="C57BL/6J"  
/db.xref="taxon:10090"  
/clone="UGCG1M0541M03"  
/clone\_id="Mouse 10kb plasmid UGCG1M library"  
/sex="male"  
/lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
/note="Vector: PMD42nv; Purified genomic DNA from M.  
musculus C57BL/6J (male) was obtained from the Jackson  
Laboratory Mouse DNA Resource  
(http://www.jax.org/resources/documents/dnares/). The DNA  
was hydrodynamically sheared by repeated passage through a  
0.005 inch orifice at constant velocity. The sheared DNA  
was blunt end-repaired with T4 DNA polymerase and T4  
polynucleotide kinase. Adaptor oligonucleotides were  
ligated to the blunt ends in high molar excess. The  
adapted DNA was purified and size-selected for a 9.5 to  
10.5 kb range using preparative agarose gel  
electrophoresis. Vector DNA was prepared from a derivative  
of PMD42 (914732141gb/AF129072.1), a copy-number  
inducible derivative of plasmid R1. The vector was ligated  
with adaptors complementary to the insert adaptors and  
purified. The sheared, adapted mouse DNA was annealed to  
adapted vector DNA, and transformed into  
chemically-competent E. coli XL10-Gold (Stratagene) cells  
and selected for ampicillin resistance."

BASE COUNT  
ORIGIN

10 a 4 c 6 g 10 t

## Query Match

50.4%; Score 12.6; DB 13; Length 30;

Best Local Similarity 78.9%; Pred. No. 1e+05; 4; Indels 0; Gaps 0;

Matches 15; Conservative 0; Mismatches 4;

OY 6 tcgcccattacatt 24

DB 27 TGCCCCACATTAAT 9

## RESULT 11

AA857265/c

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

AA857265 49 bp mRNA EST 09-MAR-1998  
of75f01.st NCI CGAP Co8 Homo sapiens cDNA clone IMAGE:1436185 3'  
similar to SW:UIC6\_HCVWA P16836 HYPOTHETICAL PROTEIN U126. ;, mRNA  
sequence.  
AA857265  
AA857265.1 GI:2945567  
EST.  
human.  
Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
1 (bases 1 to 49)  
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.  
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.  
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),  
Tumor Gene Index  
Unpublished (1997)  
Contact: Robert Strausberg, Ph.D.  
Email: cgaps-r@mail.nih.gov  
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.  
Emmert-Buck, M.D., Ph.D.  
cDNA Library Preparation: M. Bento Soares, Ph.D.



TITLE and Wright,D.,Weiss,R.  
 Mouse whole genome scaffolding with paired end reads from 10kb  
 plasmid inserts  
 JOURNAL Unpublished (2000)  
 COMMENT Contact: Robert B. Weiss  
 University of Utah Genome Center  
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT  
 84112, USA  
 Tel: 801 585 5606  
 Fax: 801 585 7177  
 Email: ddunn@genetics.utah.edu  
 Insert Length: 10000 Std Error: 0.00  
 Plate: 0266 row: 0 column: 11  
 Seq primer: CGTGTAAACGACGCGCAGT  
 Class: plasmid ends  
 High quality sequence stop: 60.

## FEATURES

Source

1. 60  
 Location/Qualifiers  
 /organism="Mus musculus"  
 /strain="C57BL/6J"  
 /db\_xref="taxon:10090"  
 /clone="UUCG1M0266011"  
 /clone\_lib="Mouse 10kb plasmid UUCG1M library"  
 /sex="Male"  
 /lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
 /note="Vector: PMD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g114732114[gblAF129072.1], a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT

6 a 16 c 23 g 15 t

ORIGIN

Query Match 50.4%; Score 12.6; DB 13; Length 60;  
 Best Local Similarity 78.9%; Pred. No. 1.1e+05;  
 Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
 Oy 4 gctcgcccatcaatacata 22  
 || ||||| |||||  
 Db 23 gccgcccccatcaacata 5

RESULT 15

AZ331596 36 bp DNA GSS 29-SEP-2000  
 LOCUS 1M0059E08R Mouse 10kb plasmid UUCG1M library Mus musculus genomic  
 DEFINITION clone UUCG1M0059E08 R, DNA sequence.  
 ACCESSION AZ331596  
 VERSION AZ331596.1 GI:10394441  
 KEYWORDS GSS.  
 SOURCE house mouse.  
 ORGANISM Mus musculus

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamill,C.,  
 AUTHOR Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly

TITLE 'M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausen,A.  
 and Wright,D.,Weiss,R.  
 Mouse whole genome scaffolding with paired end reads from 10kb  
 plasmid inserts  
 JOURNAL Unpublished (2000)  
 COMMENT Contact: Robert B. Weiss  
 University of Utah Genome Center  
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLIC, UT  
 84112, USA  
 Tel: 801 585 5606  
 Fax: 801 585 7177  
 Email: ddunn@genetics.utah.edu  
 Insert Length: 10000 Std Error: 0.00  
 Plate: 0053 row: E column: 08  
 Seq primer: CACACGAGAAACGCTATGACC  
 Class: plasmid ends  
 High quality sequence stop: 36.

## FEATURES

Source

1. 36  
 Location/Qualifiers  
 /organism="Mus musculus"  
 /strain="C57BL/6J"  
 /db\_xref="taxon:10090"  
 /clone="UUCG1M0059E08"  
 /clone\_lib="Mouse 10kb plasmid UUCG1M library"  
 /sex="Male"  
 /lab\_host="E. Coli strain XL10-Gold, T1-resistant, F-"  
 /note="Vector: PMD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g114732114[gblAF129072.1], a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT

13 a 9 c 0 g 14 t

ORIGIN

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 Best Local Similarity 72.7%; Pred. No. 1.3e+05;  
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 Db 5 ACATCTCCCCCTTTTAATATA 26

Search completed: March 9, 2002, 00:09:21  
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